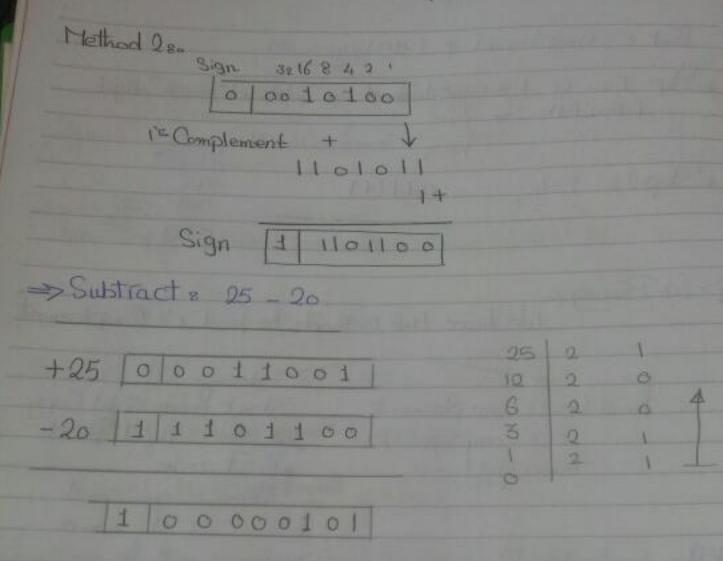
lect (3) 1-velnumbers: - Signed - UT 1) Complement (V) Complement. tractional numbers - fixed point . Floating Point. > lo represent numbers 200 We use one bit for the sign 0 - means the 1-> means -ve We change the Sign of number _ 15 in binary in 8h Signed = 000011111 +vc15 In binary Signed

(3) - First 1's Complement of (815) dec. * Step 1 20 LT_11's Complement -> Subtract each digit.

From (9) -> 815 *Step 2 = 184 -> Add (1) We have two methods to find is Complement => In Binary 80 Start from Wight Copy find (r-1) Complement all Jeros until And T's Complement first one then Add one then a o - > 1 (15) d = (1111) 2 + 11 Add 1 r Complement > Find 2005 2's Complementary of 20 9n 8 bits? (20) = (10100) R



≥ 2'3 Complement is reversible operations.

00010100

Following Cases:

* UnSigned > (+ve only)

* Signed > Lusing Signed for ve)

* Signed > (using 21s Complement)

	-ve1+ve

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